

ROLE DESCRIPTION – MANAGER, MASS TIMBER DESIGN

Role Description Summary:

The successful candidate will cover a variety of critical design and fabrication directives. The role is split between technical sales support on projects in the sales funnel, and closed projects in-house moving through the internal project delivery process. The primary goals include:

- 1) Support the sales function by leading the pre-sales construction services including but not limited to: concept engineering, value engineering, technical design information, and technical design documents.
- 2) Lead the design and engineering process of the various project delivery methods: Design Supply, DfMA (Design for Manufacturing and Assembly), and traditional projects. Oversee the deployment of specialty engineering, optimize and solve for specific project design issues, and follow through tasks as necessary to successfully deploy the project on schedule.
- 3) Manage Structurlam's R&D, code reports, technical certifications, and product issue resolution systems.

As one of the more diversified and knowledge-based roles within Structurlam, the successful candidate will have strong problem solving and communication skills with a well-developed ability to multi-task and prioritize based on strategic objectives.

Position Responsibilities and Duties - Project Delivery:

- Plan, direct, and monitor all aspects of medium to large projects for Mass Timber integration and deployment consistent with fabrication, costing and project success metrics
- Participate and facilitate work sessions for design development and contract documentation in conjunction with appropriate technical professionals and other disciplines
- Management and direction for specialty engineering concepts, timelines and costing for projects
- Act as document reviewer and advisor for constructability and value analysis
- Coordinate and develop schedules from post award to design completion in conjunction with PM team
- Procure, maintain, develop and organize codes, certifications and standards of products
- Lead Research and Development activities associated with project bids, and product development

Position Responsibilities and Duties - Sales Based:

- Optimize and value engineer building designs for Mass Timber system integration
- Provide Sales information analysis on system costing and optimization overviews
- Recommend floor and wall buildups, have been calculated and tested, for insulation value, fire resistance, vapor diffusion performance, vibration, sound transmission, price, etc.
- Develop and review internal Engineering calculation tools, grid matrix, span calculators, fire calcs, etc.
- Travel to site, clients, conferences and industry board meetings as required

Minimum Skills or Experience Requirements:

- Organizational and communication skills, including team leadership and ability to build consensus
- Engineering, Construction Management or Architectural degree, or equivalent experience
- 8-10 years of mass timber experience, engineering, construction, design and project management
- Engineering basis of design for gravity load preliminary schematics
- Problem-solving ability and strong sense of urgency
- Experience in Virtual Design, Construction (VDC) and Building Information Modeling (BIM) software
- Demonstrated ability in design-build project management and delivery, including budgeting, and scheduling
- Continuous learner

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To apply for the position please send your cover letter and resume to: nsills@structurlam.com